

SEQUENCE LISTING

<110> SHEN, BEN LIU, WEN CHRISTENSON, STEVEN D. STANDAGE, SCOTT <120> GENE CLUSTER FOR PRODUCTION OF THE ENEDIYNE ANTITUMOR ANTIBIOTIC C-1027 <130> 407T-896010US <140> US 09/478,188 <141> 2000-01-06 <150> US 60/115,434 <151> 1999-01-05 <160> 2 <170> PatentIn version 3.2 <210> 1 <211> 42000 <212> DNA <213> Artificial <220> <223> cDNA <220> <221> CDS <222> (11)..(658) <400> 1 gtcgactcta gag gat ccc ggg tgc gga gta ggg gtt acg gac gaa gga 49 Glu Asp Pro Gly Cys Gly Val Gly Val Thr Asp Glu Gly 1 ggg gtg ccc ggc gac gcc tgc ggc gaa ggg cgg ttc ctt gag ttc gag 97 Gly Val Pro Gly Asp Ala Cys Gly Glu Gly Arg Phe Leu Glu Phe Glu 15 gcc ggt ggc gag gac gtc gtc gtc gtc gag gat ctg cgt gtc ggg 145 Ala Gly Gly Glu Asp Asp Val Val Arg Val Glu Asp Leu Arg Val Gly 35 40 gag cgg ccc agg gcg cag ccc ctc ggt cag gta cgg ggt gag gcc cct 193 Glu Arg Pro Arg Ala Gln Pro Leu Gly Gln Val Arg Gly Glu Ala Pro 50 gac ggt cac ctc gaa gca gcg gtc gtg gga ccg ggc gtc gag cgc ctc 241 Asp Gly His Leu Glu Ala Ala Val Gly Pro Gly Val Glu Arg Leu 65 70 75 ccc gtc cgc ttc cac aag gac gcc ggg aca gga ctc ccg tgc ggc 289

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Ser Gly Val Glu Val Leu Glu Asp Ala Ala Gly Gly Ala Leu 100 105 110

Phe Gly Glu Leu Pro Arg Ser Pro Ala Pro Gly Pro Val Ala Pro Val 115 120 125

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Ala Val Thr Val Ile Gly Asp Ala Gly Arg Ala Val Gly Gly Ala Pro 165 170 175

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